

Figure 1

Figure 2

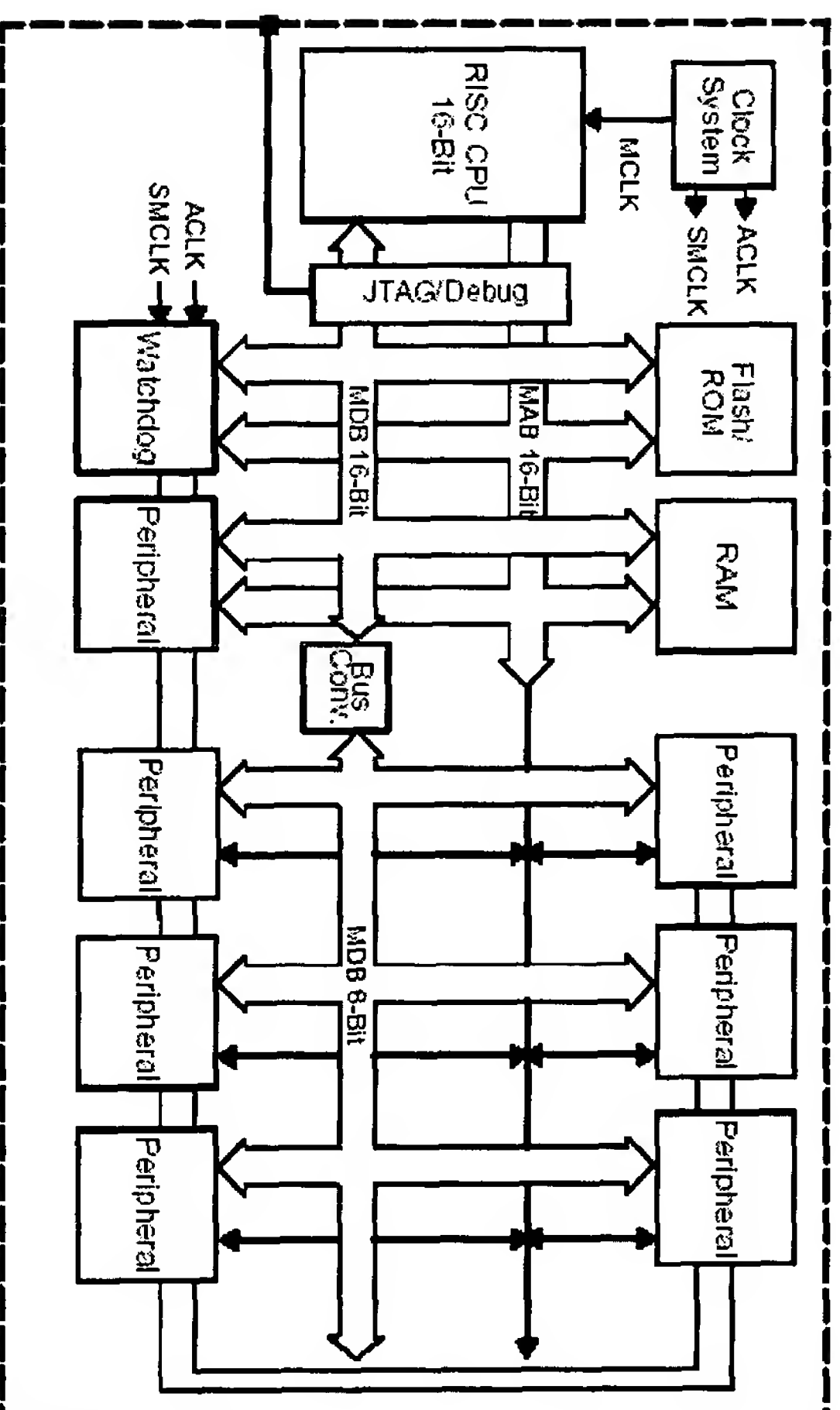


Figure 3

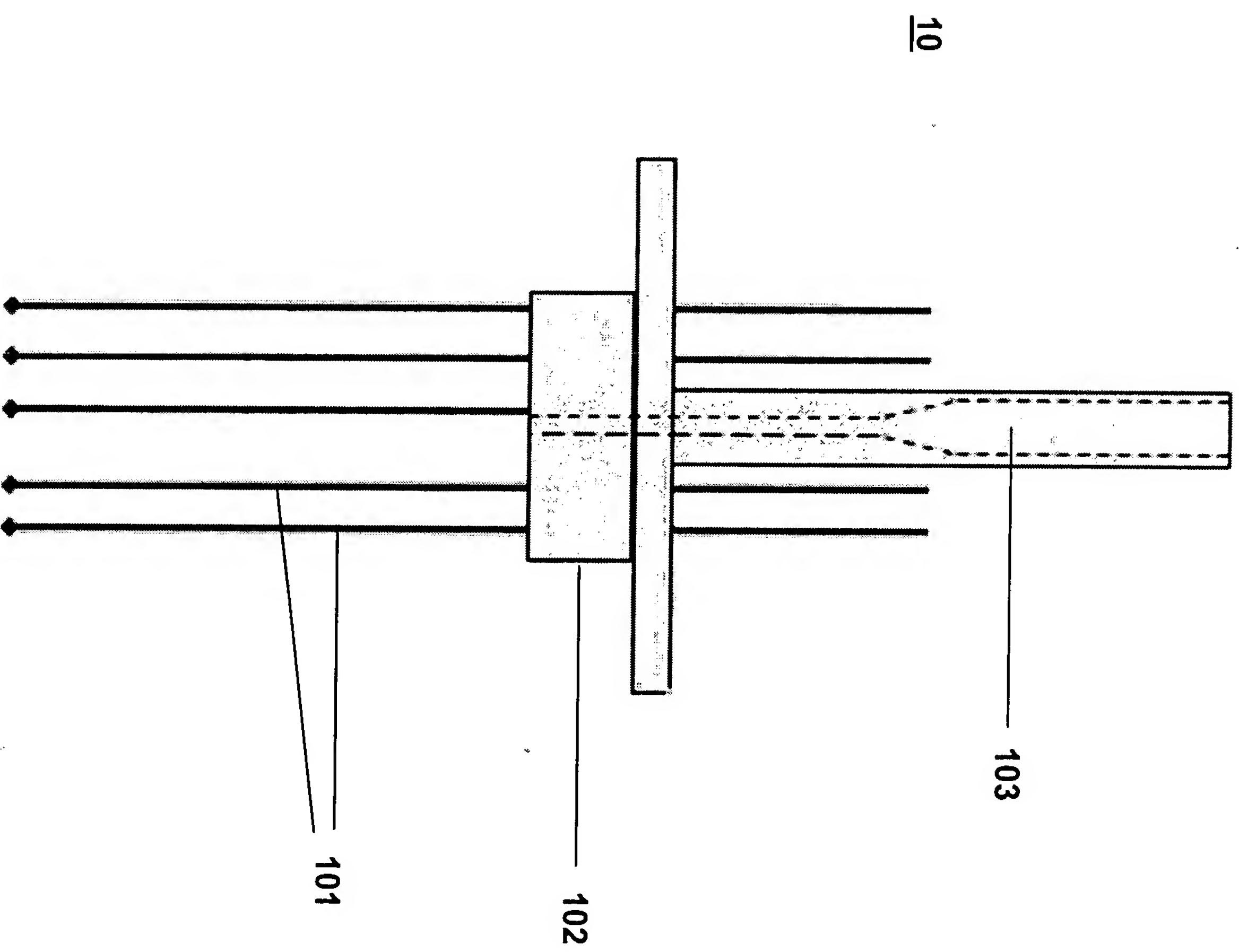


Figure 4

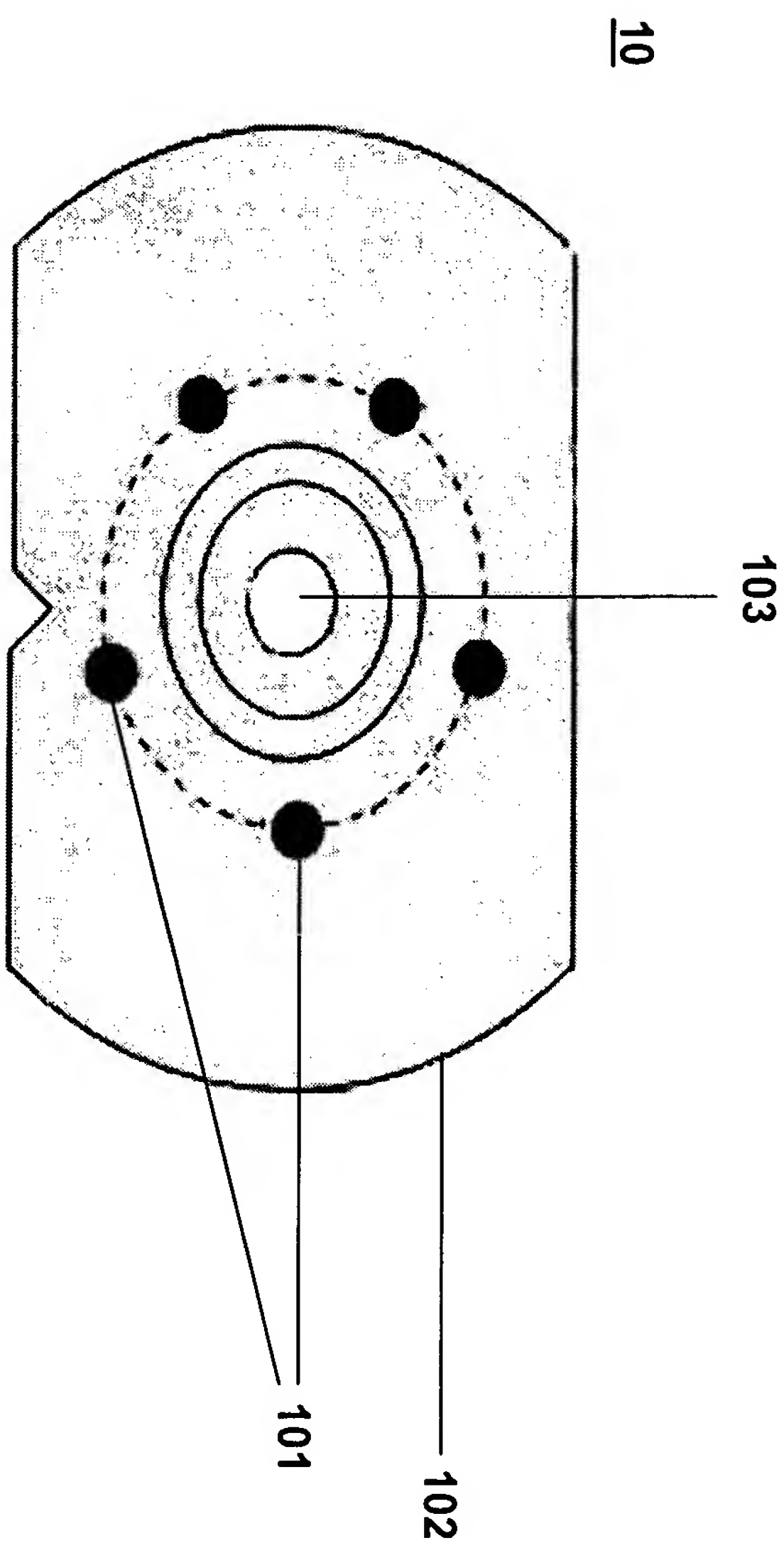


Figure 5

20

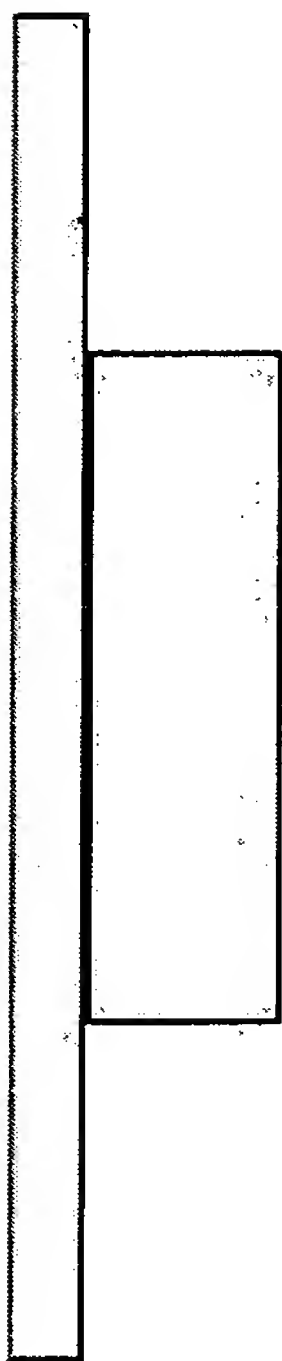


Figure 6

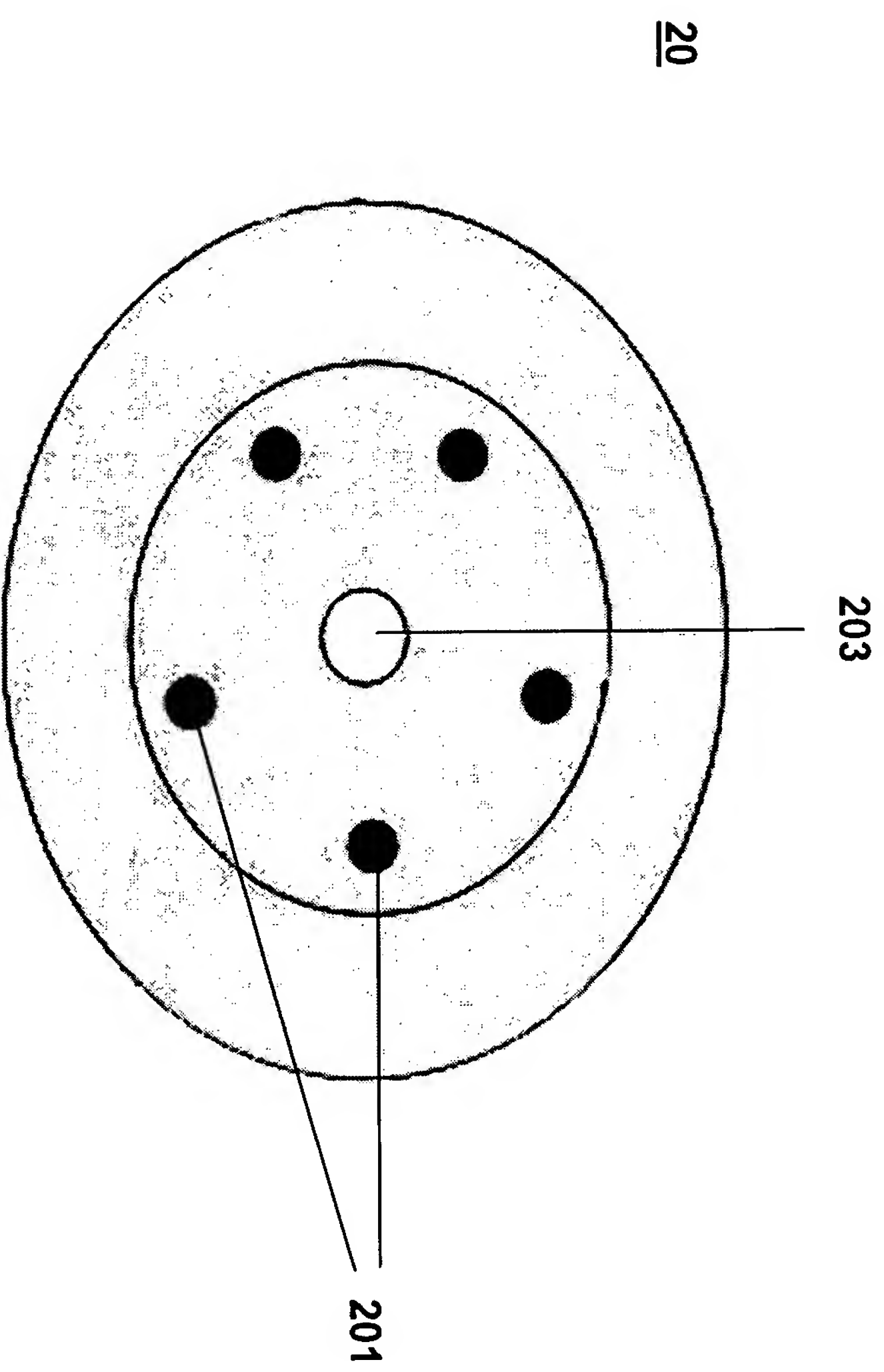


Figure 7

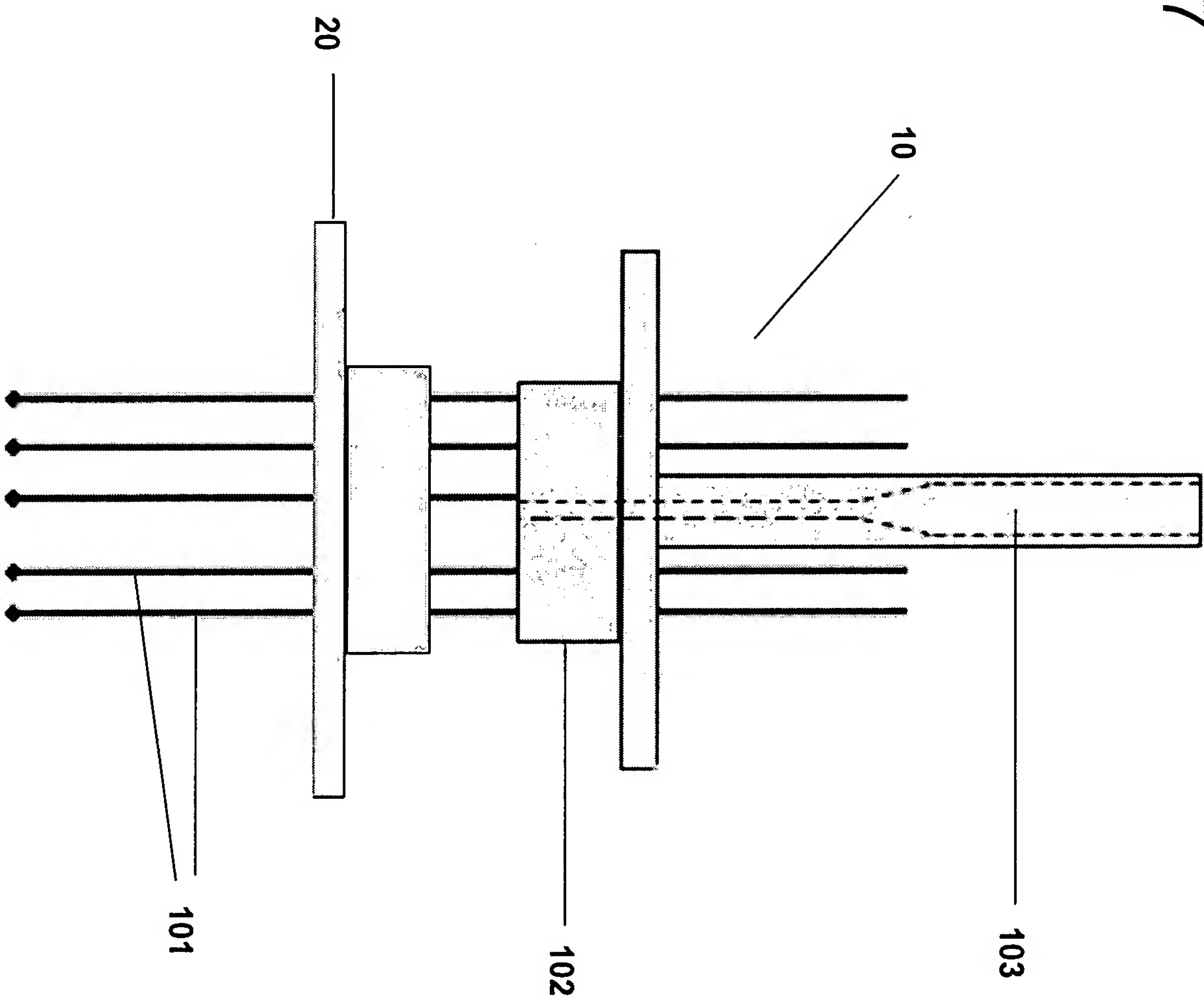
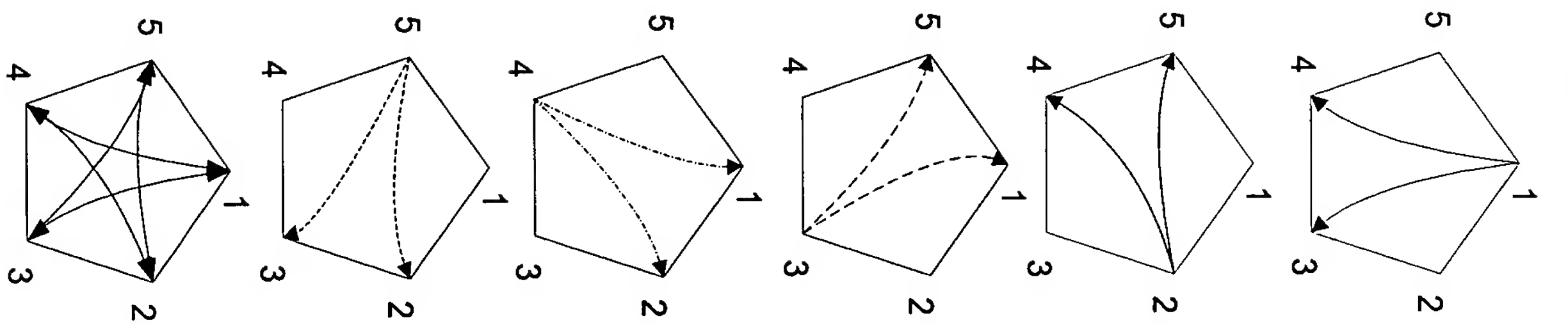


Figure 8

Program 0000



Pulse number      positive      negative      code

1      1 —————> 3,4      PONNO

2      2 .....> 4,5      OPONN

3      3 ———> 5,1      NOPON

4      4 - - - - -> 1,2      NNOPO

5      5 - - - - -> 2,3      ONNOP

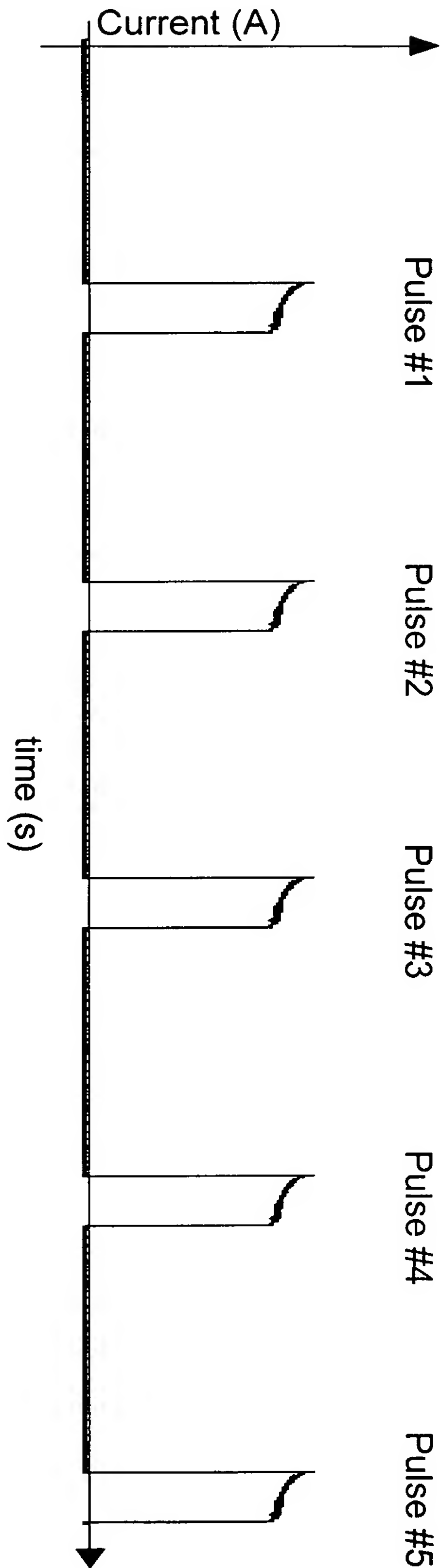
composite

PONNO-OPONN-NOPON-NNOPO-ONNOP



**A**

**Figure 9**



**B**

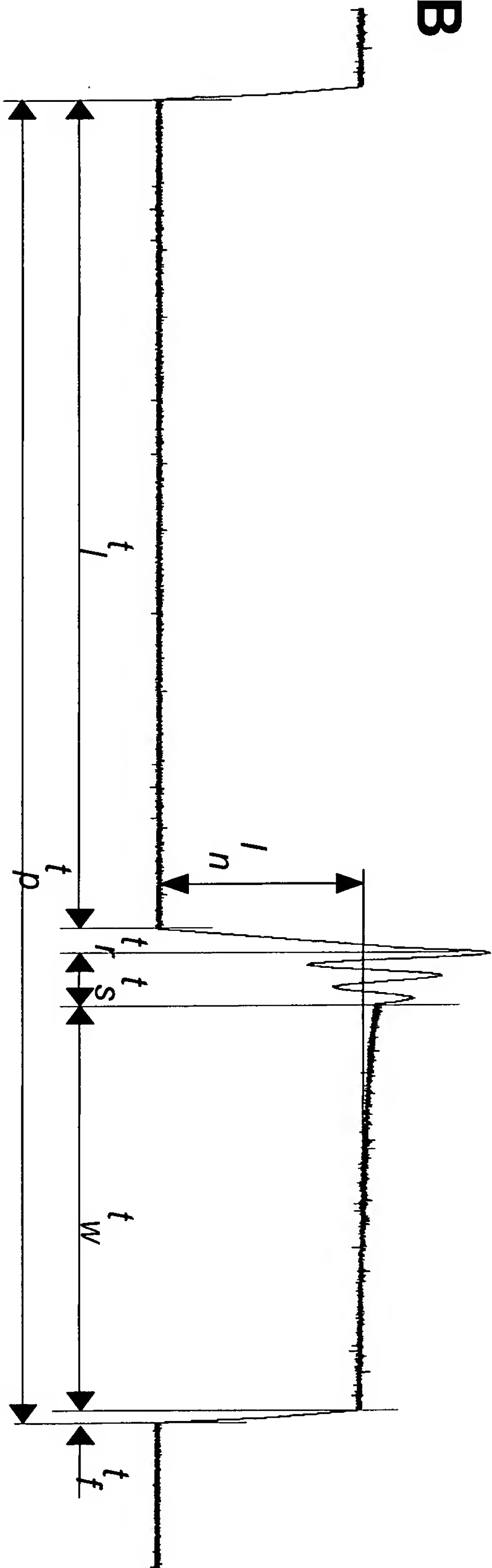
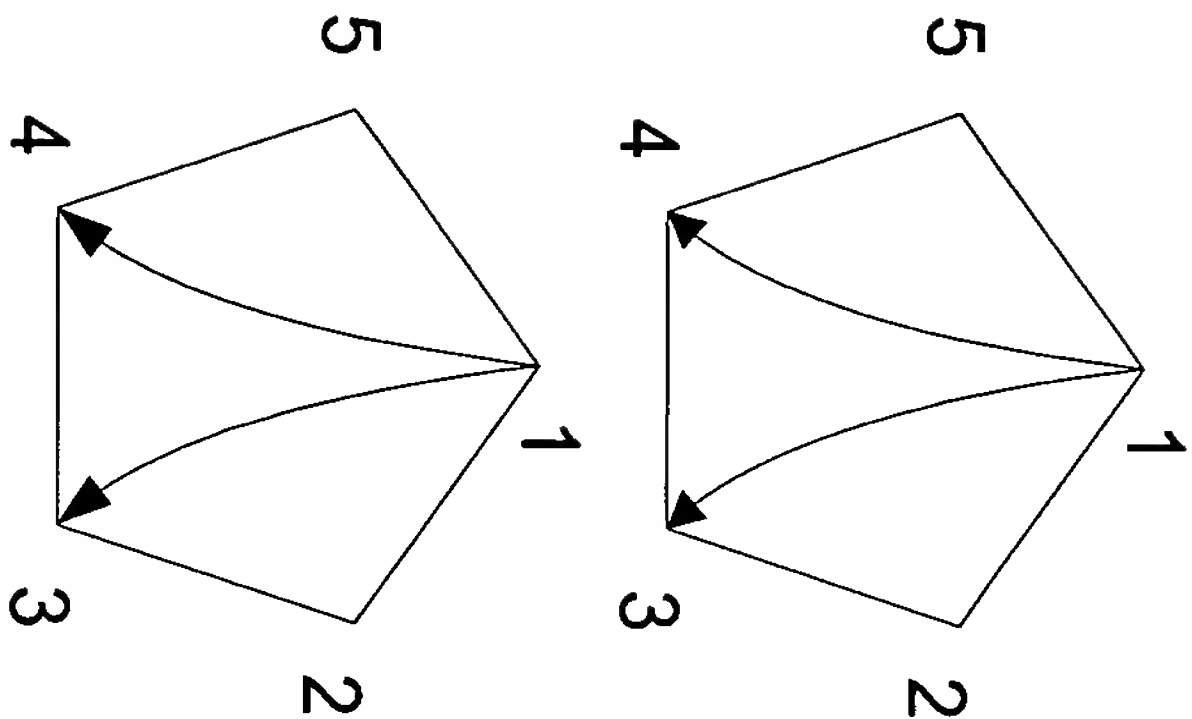


Figure 10

Program 0001



Pulse number	positive	negative	code
1	1	1 → 3,4	PONNO
composite			PONNO

Figure 11

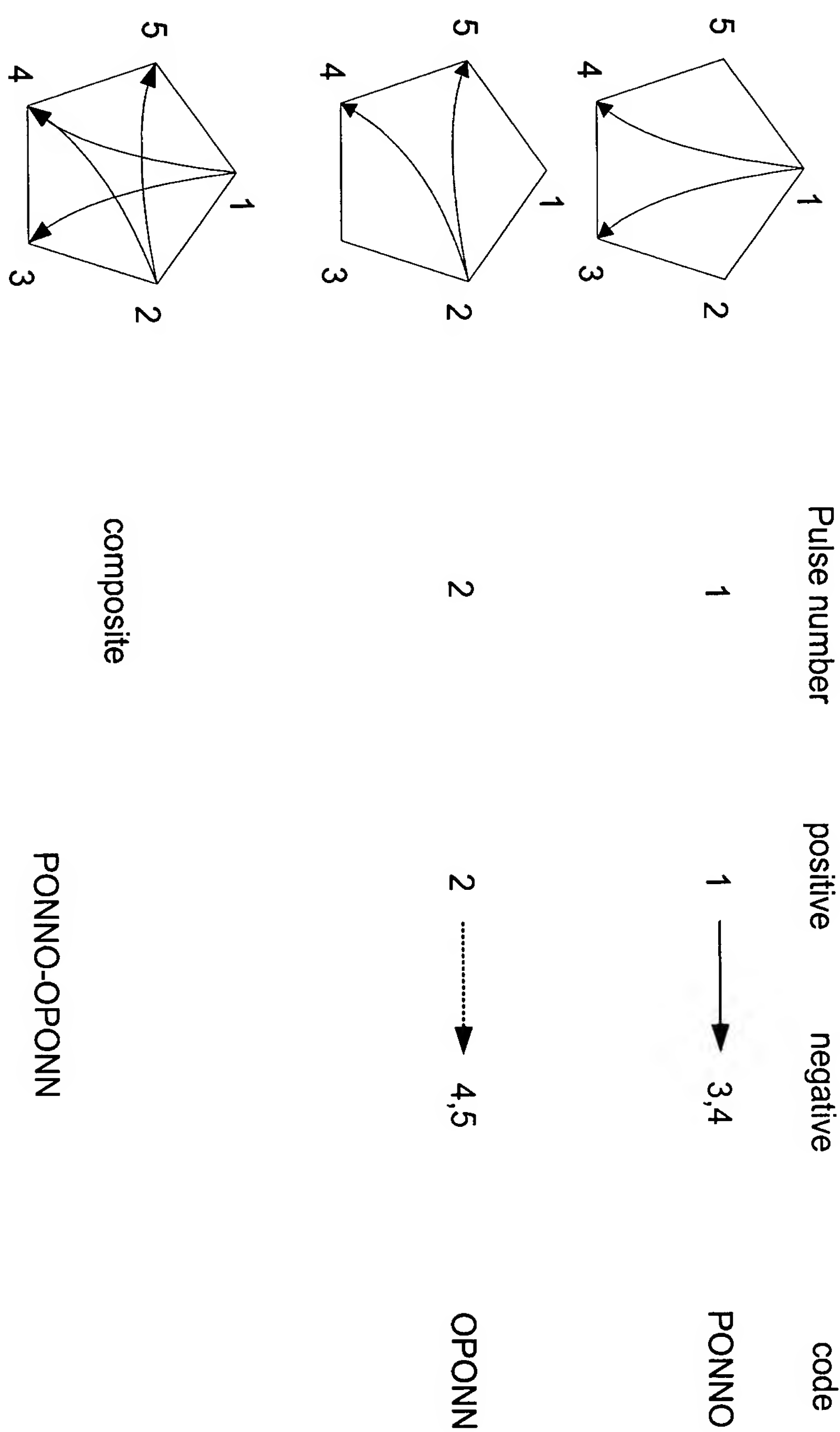
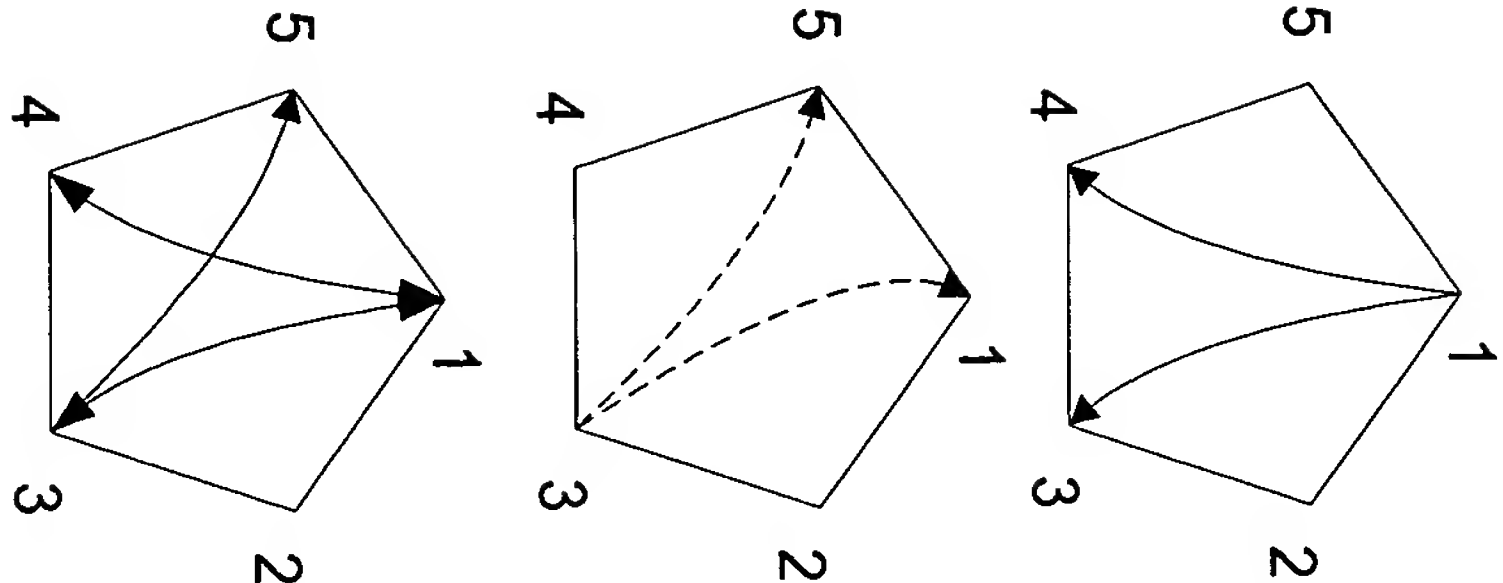


Figure 12

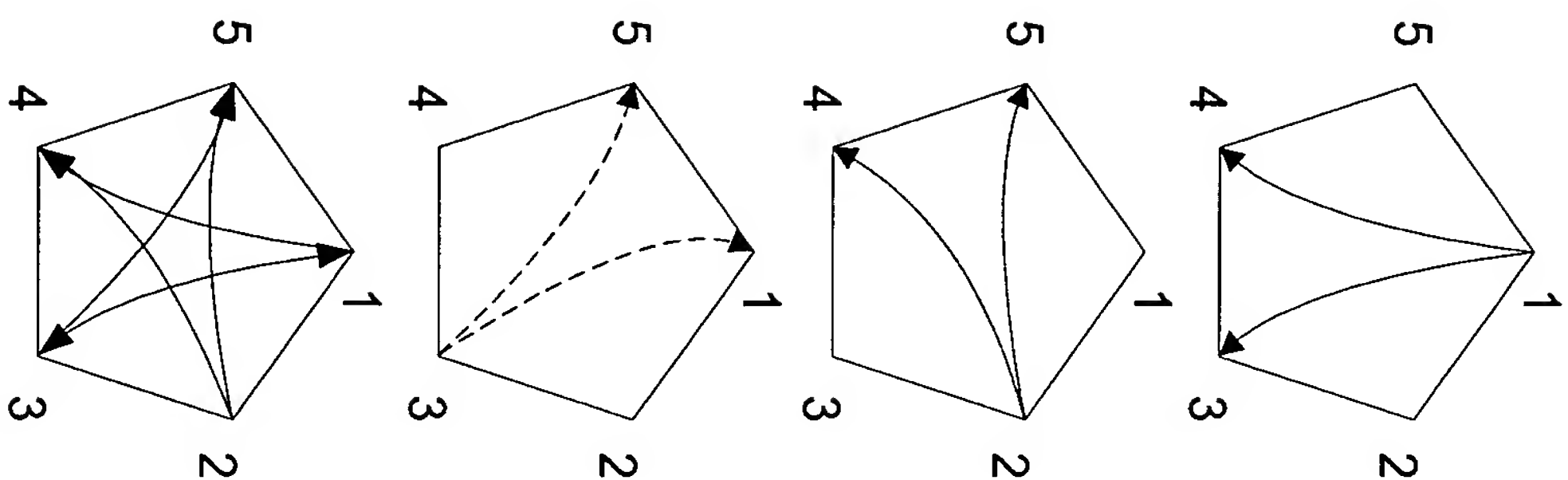
Program 0003



Pulse number	positive	negative	code
1	1 —————→	3,4	PONNO
2	3 — — —→	5,1	NOPON
composite			
PONNO-NOPON			

Program 0004

Figure 13



Pulse number	positive	negative	code
1	1 —————>	3,4 —————>	PONNO
2	2 .....>	4,5 .....>	OPONN
3	3 ———>	5,1 ———>	NOPON
composite	PONNO-OPONN-NOPON		

Program 0005

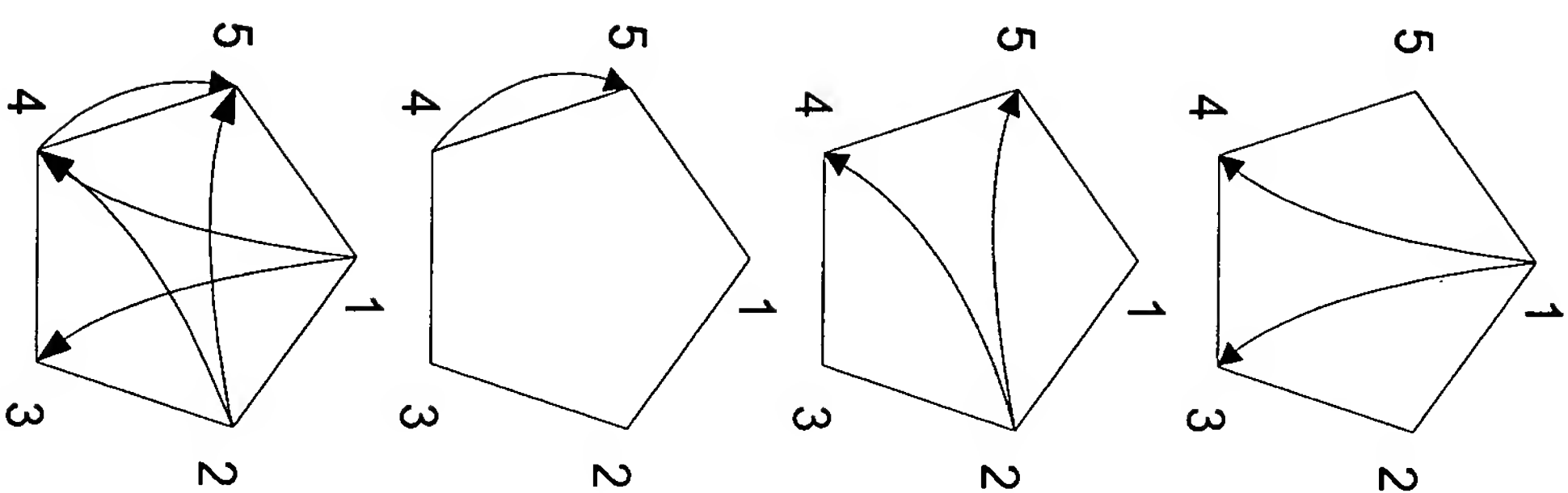


Figure 14

Pulse number	positive	negative	code
1	1 —————>	3,4	PONNO
2	2 .....>	4,5	OPONN
3	4 - - - - ->	5	OOOPN
composite	PONNO-OPONN-OOOPN		

Program 0006

Figure 15

Pulse number      positive      negative      code

1      1 —————▶ 3,4      PONNO

2      3 ———▶ 5,1      NOPON

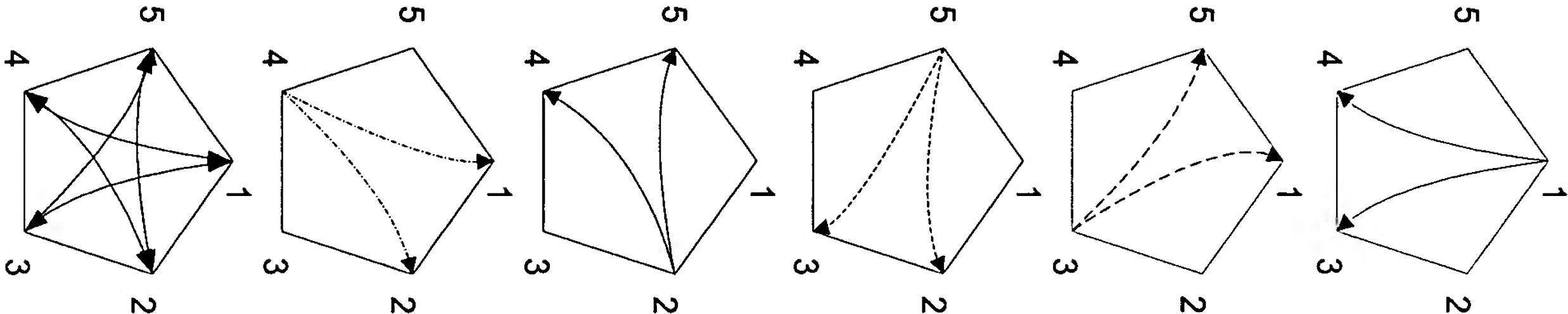
3      5 - - - - -▶ 2,3      ONNOP

4      2 .....▶ 4,5      OPONN

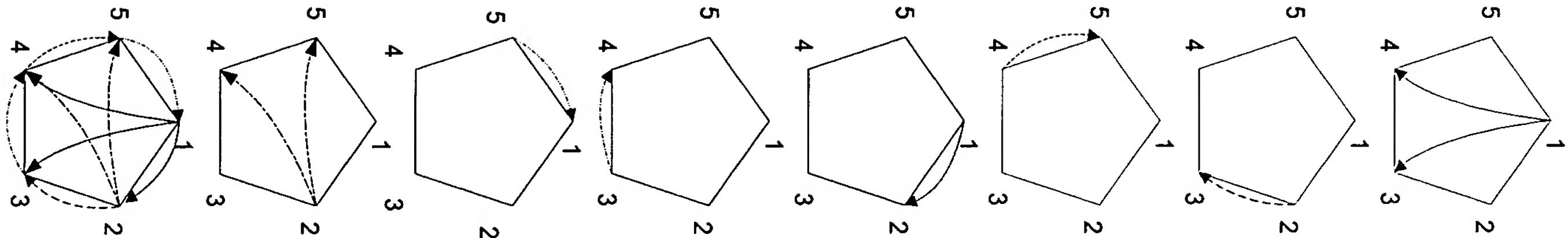
5      4 - . - . - .▶ 1,2      NNOPO

composite

PONNO-NOPON-ONNOP-OPONN-NNOPO



Program 007



Pulse number

positive

negative

code

1

1

3,4

PONNO

2

2

3

OPNNO

3

4

5

OOOPN

4

1

2

PNOOO

5

3

4

OOPNO

6

5

1

NOOOP

7

2

4,5

OPONN

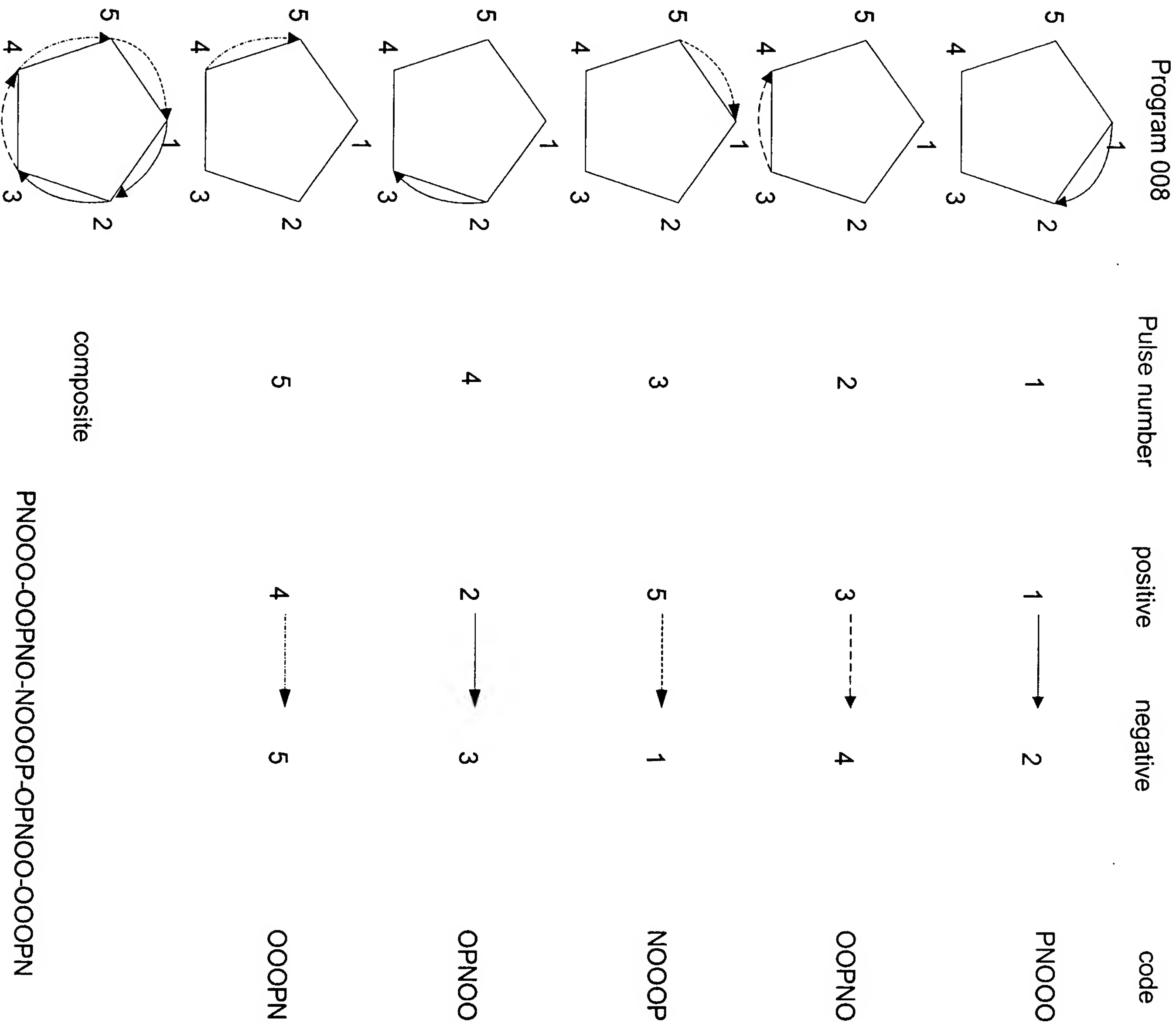
composite

PONNO-OPNNO-OOOPN-PNNOO-OOOPNO-  
NOOOP-OPONN

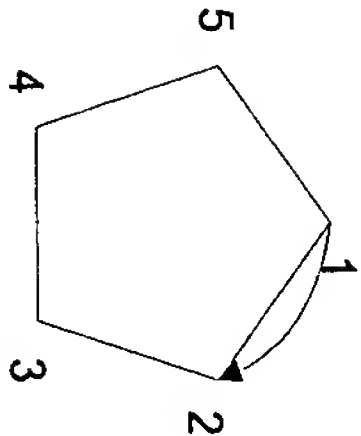
Figure 16



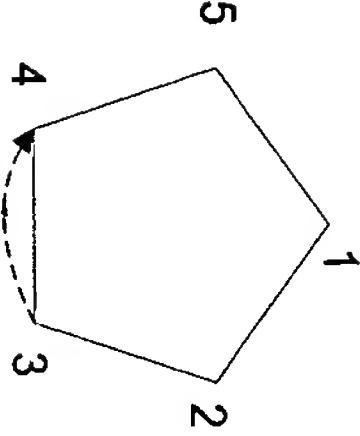
Figure 17



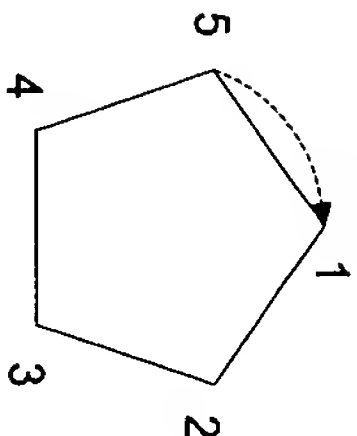
Program 0009



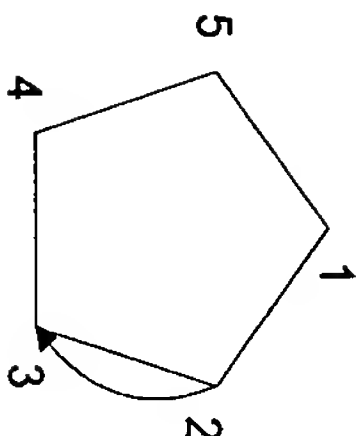
Pulse number	positive	negative	code
1	1 →	2	PNOOO



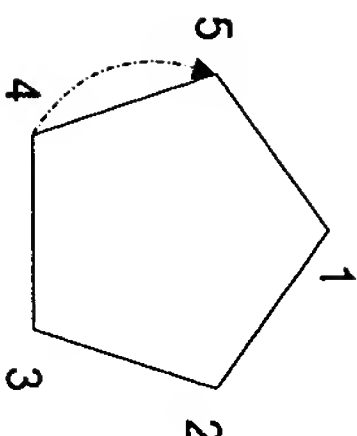
2	3 - - - - ->	4	OOPNO
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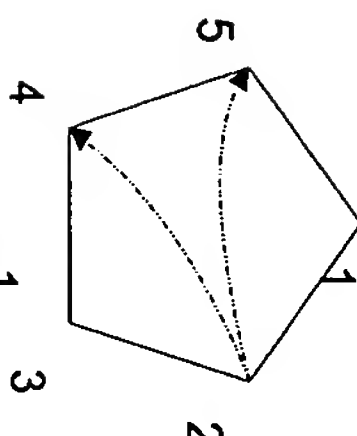
3	5 - - - - ->	1	NOOOP
---	--------------	---	-------



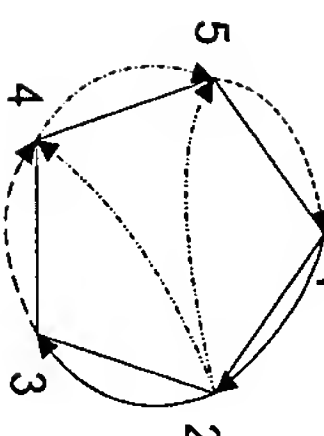
4	2 →	3	OPNNO
---	-----	---	-------



5	4 - - - - ->	5	OOOPN
---	--------------	---	-------



6	2 - - - - ->	4,5	OPONN
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composite	PNOOO-OOPN-NOOOP-NPON-OOOPN-OPONN		
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Figure 18

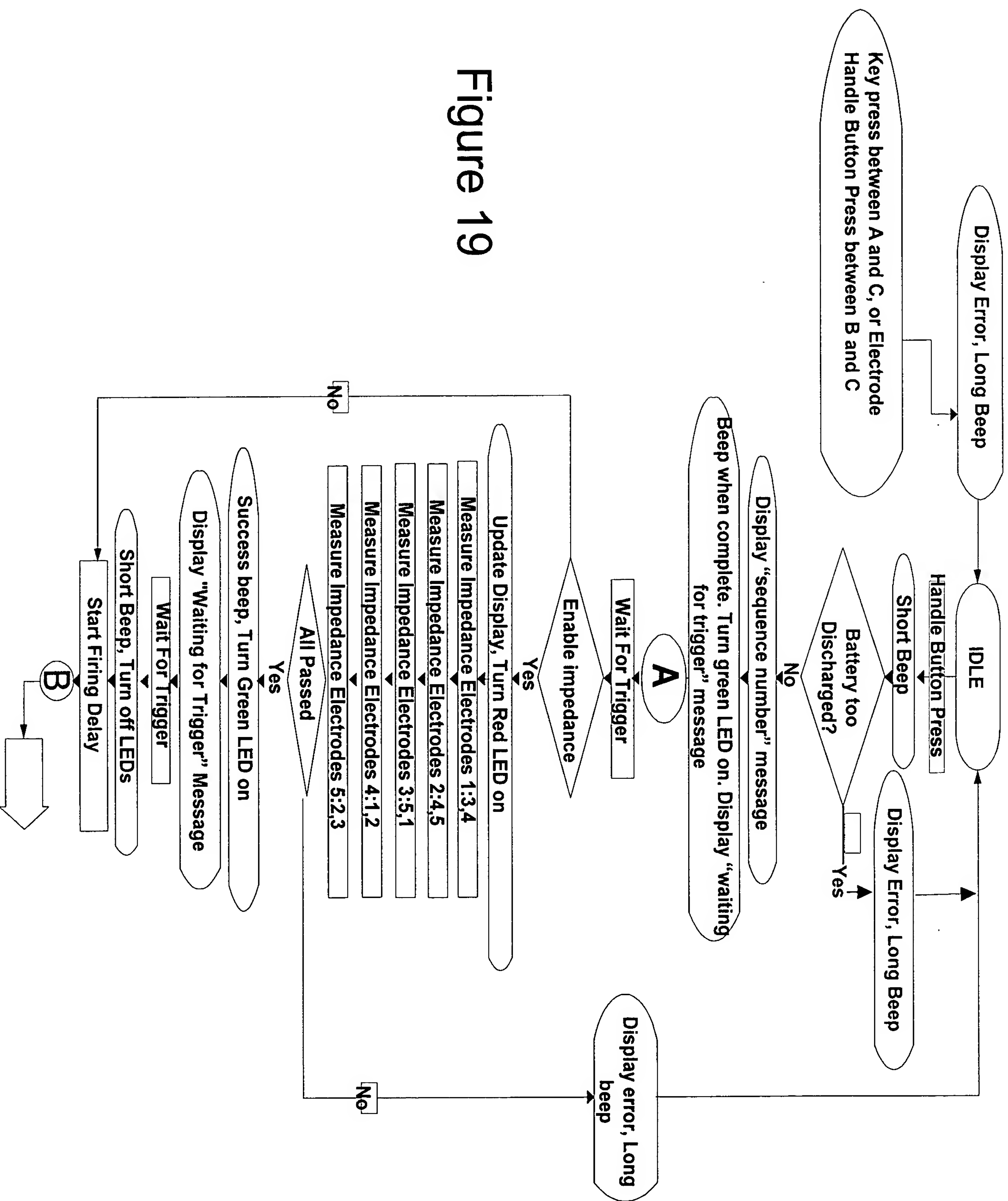


Figure 19

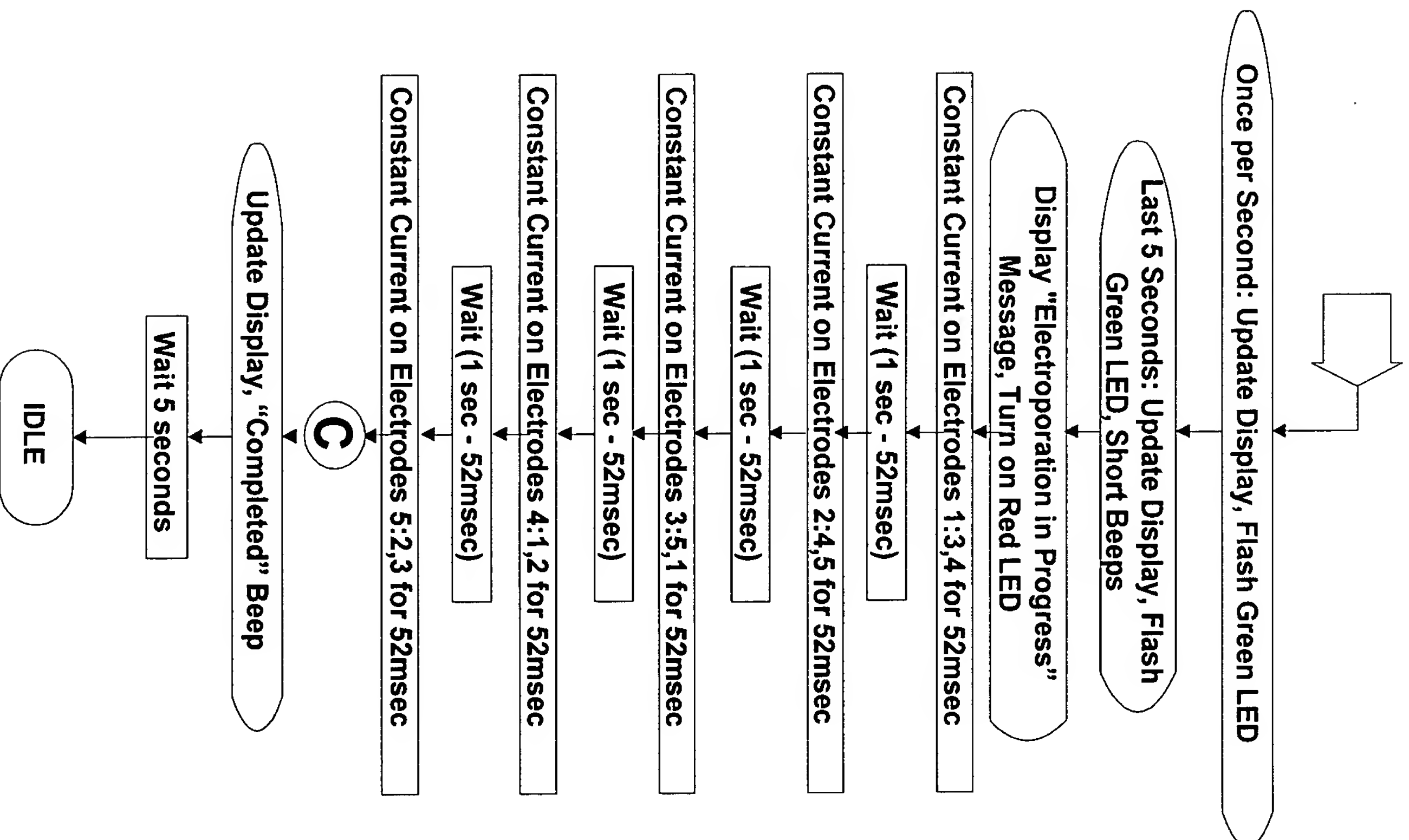


Figure 20

Figure 21

00001138\_03\_08\_13\_1

Filename: 6\_16\_02.csv

Animal					
Number:	1138				
Pulse In					
Sequence:	1	2	3	4	5
Pre-wait (s):	80	1	1	1	1
Pulse Width					
(ms):	52	52	52	52	52
Pulse Current					
(A):	0.5	0.5	0.5	0.5	0.5

Figure 22

Electrode 1:				
POS	OFF	NEG	NEG	OFF
Electrode 2:				
OFF	POS	OFF	NEG	NEG
Electrode 3:				
NEG	OFF	POS	OFF	NEG
Electrode 4:				
NEG	NEG	OFF	POS	OFF
Electrode 5:				
OFF	NEG	NEG	OFF	POS

Figure 23

Pulse 1		Pulse 2		Pulse 3		Pulse 4		Pulse 5	
Voltage	Current	Voltage	Current	Voltage	Current	Voltage	Current	Voltage	Current
2.34	0	2.3	0	2.34	0	2.3	0	2.34	0
2.39	0	2.34	0	2.39	0	2.34	0	2.34	0
2.3	0.49	68.25	0.51	2.34	0.5	54.47	0.5	62.09	0.5
69.08	0.49	66.73	0.51	55.98	0.5	53.79	0.5	58.28	0.5
69.03	0.5	66.24	0.51	55.5	0.51	53.25	0.51	57.89	0.48
69.61	0.51	66.78	0.5	55.4	0.49	53.49	0.51	57.3	0.5
69.81	0.5	67.12	0.49	55.3	0.51	53.44	0.51	57.3	0.5
70	0.5	67.42	0.51	55.25	0.5	53.54	0.5	57.5	0.5
70.84	0.5	66.93	0.49	54.81	0.52	53.83	0.49	57.89	0.51
71.28	0.48	67.76	0.51	54.96	0.49	54.57	0.49	57.79	0.49

Figure 24

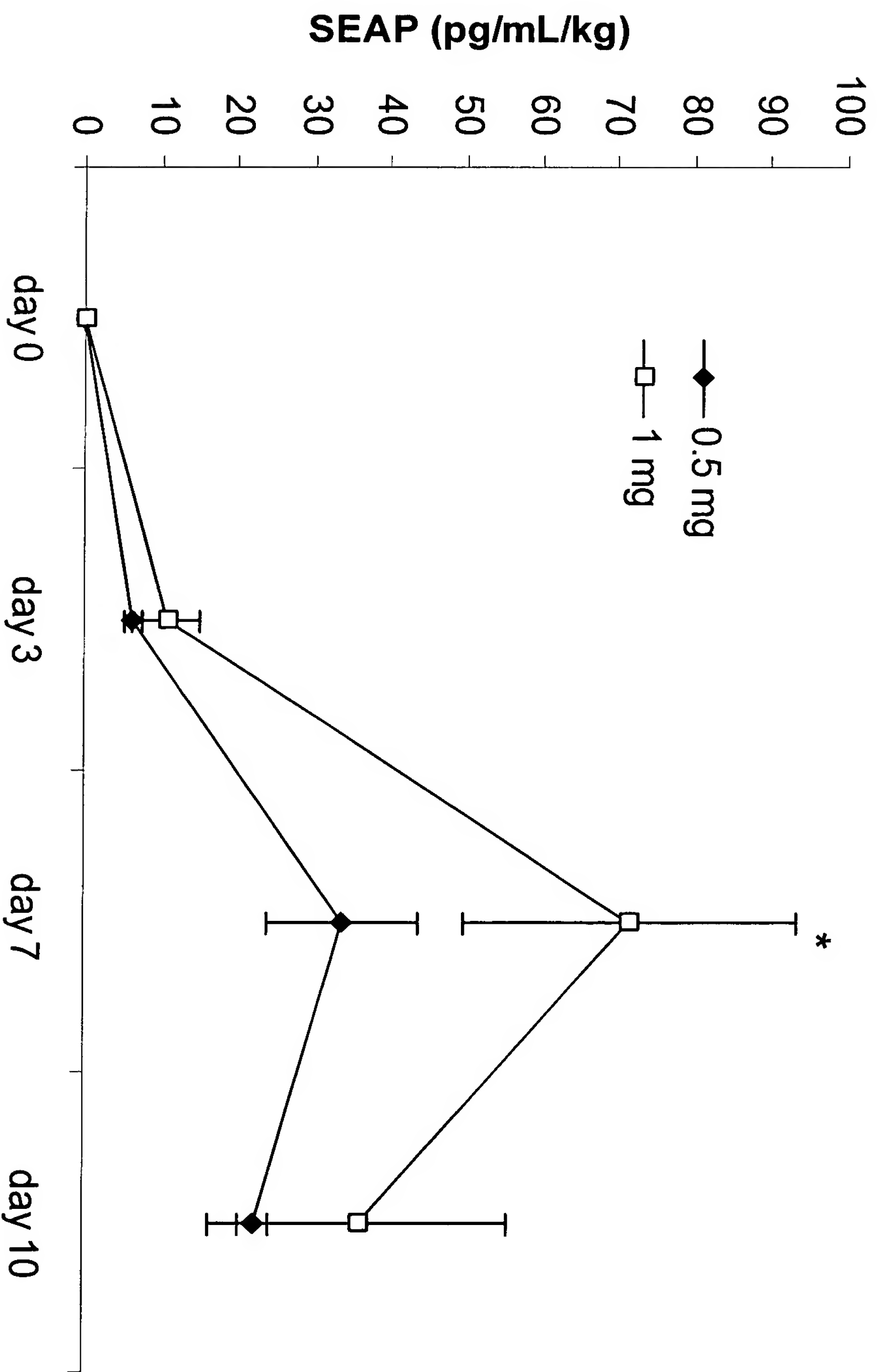




Figure 25

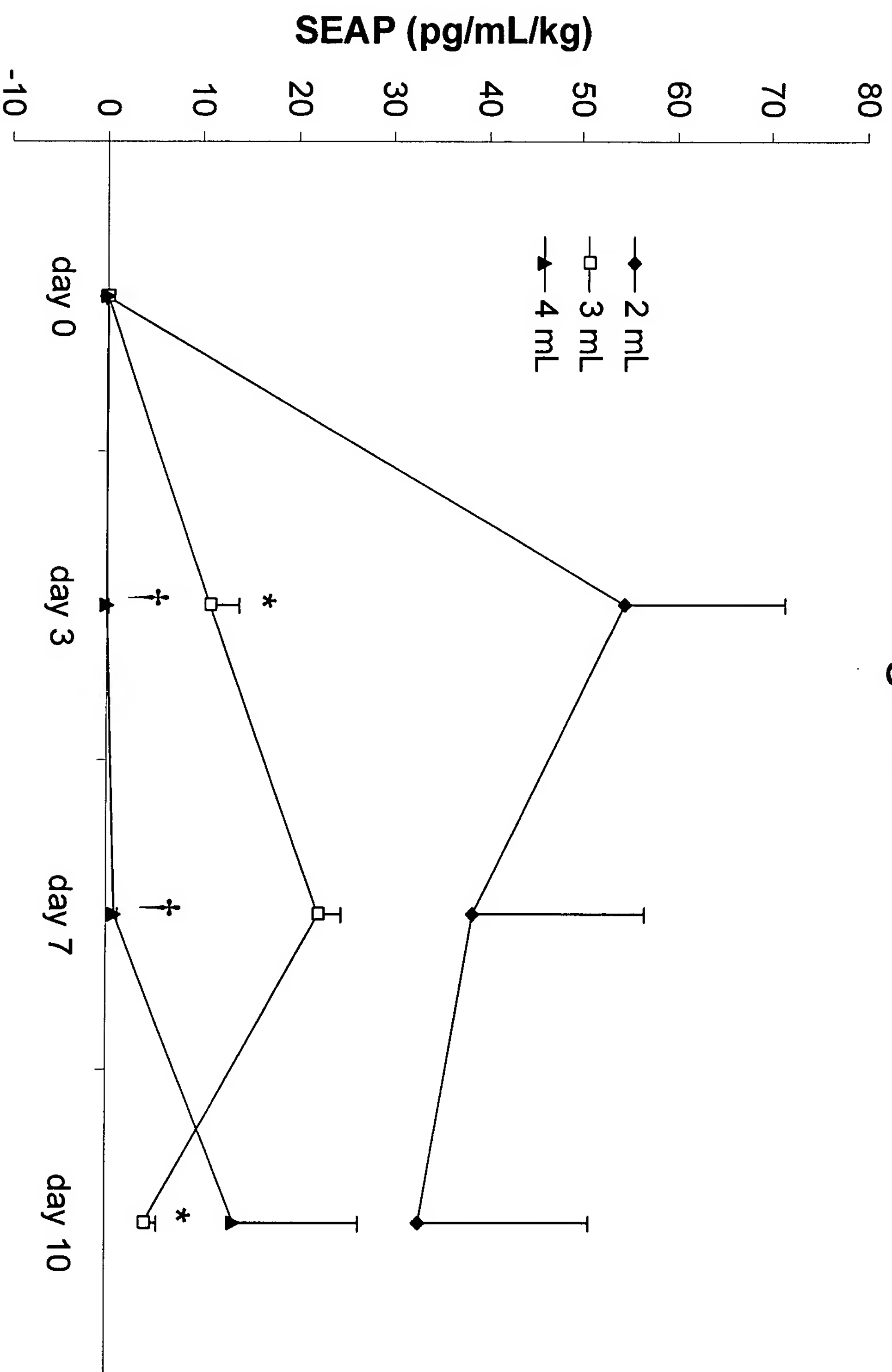


Figure 26

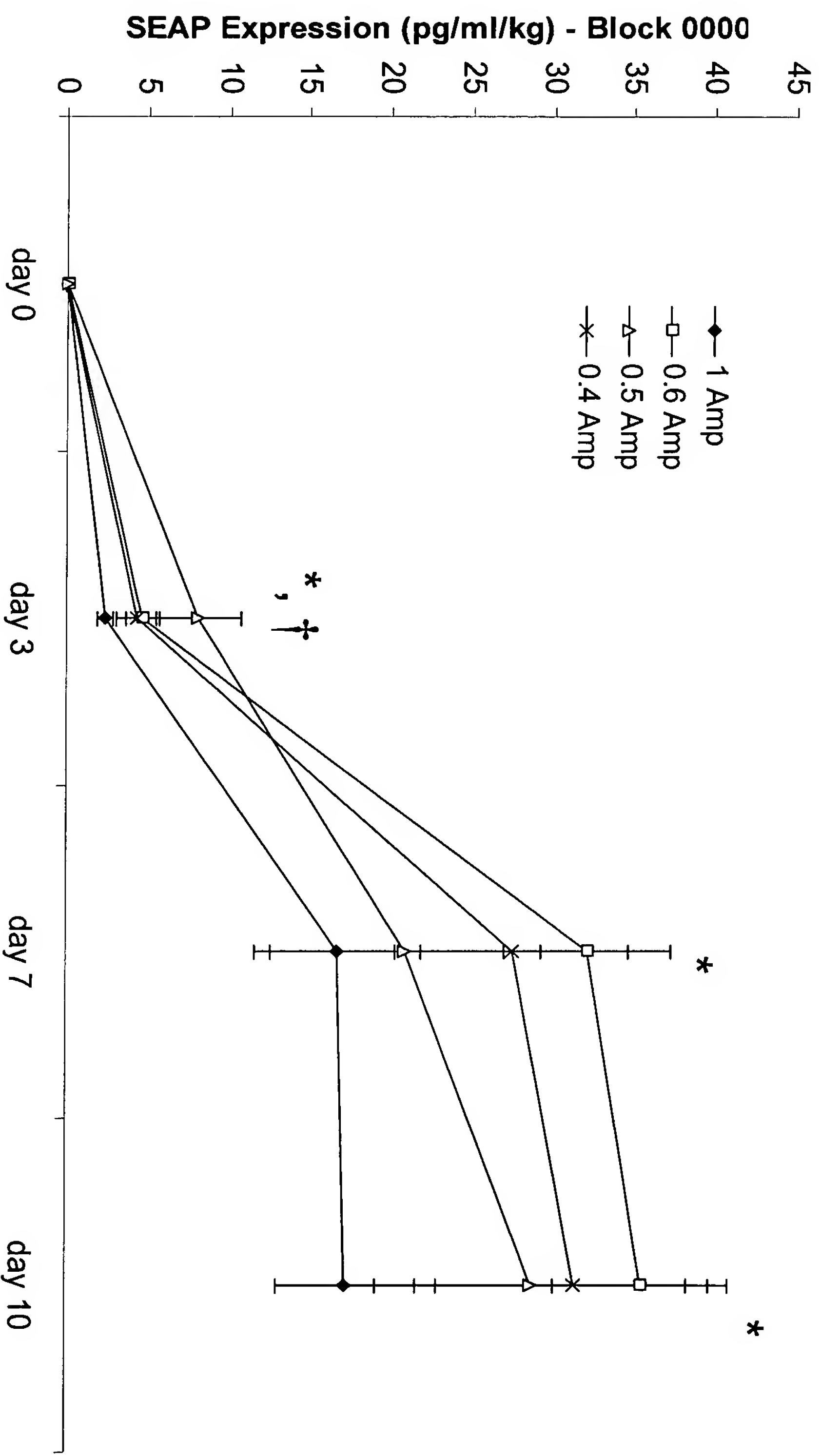


Figure 27

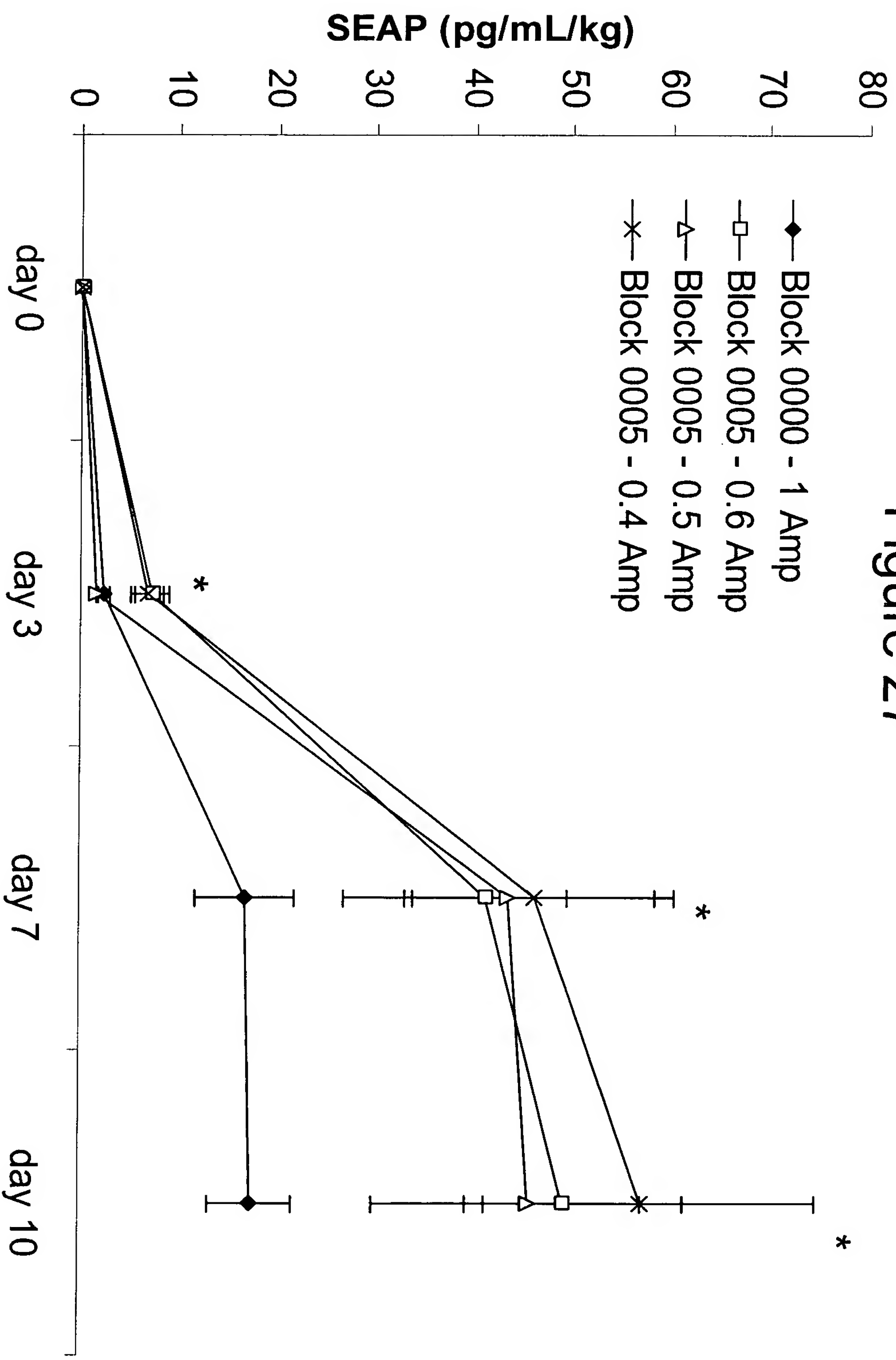


Figure 28

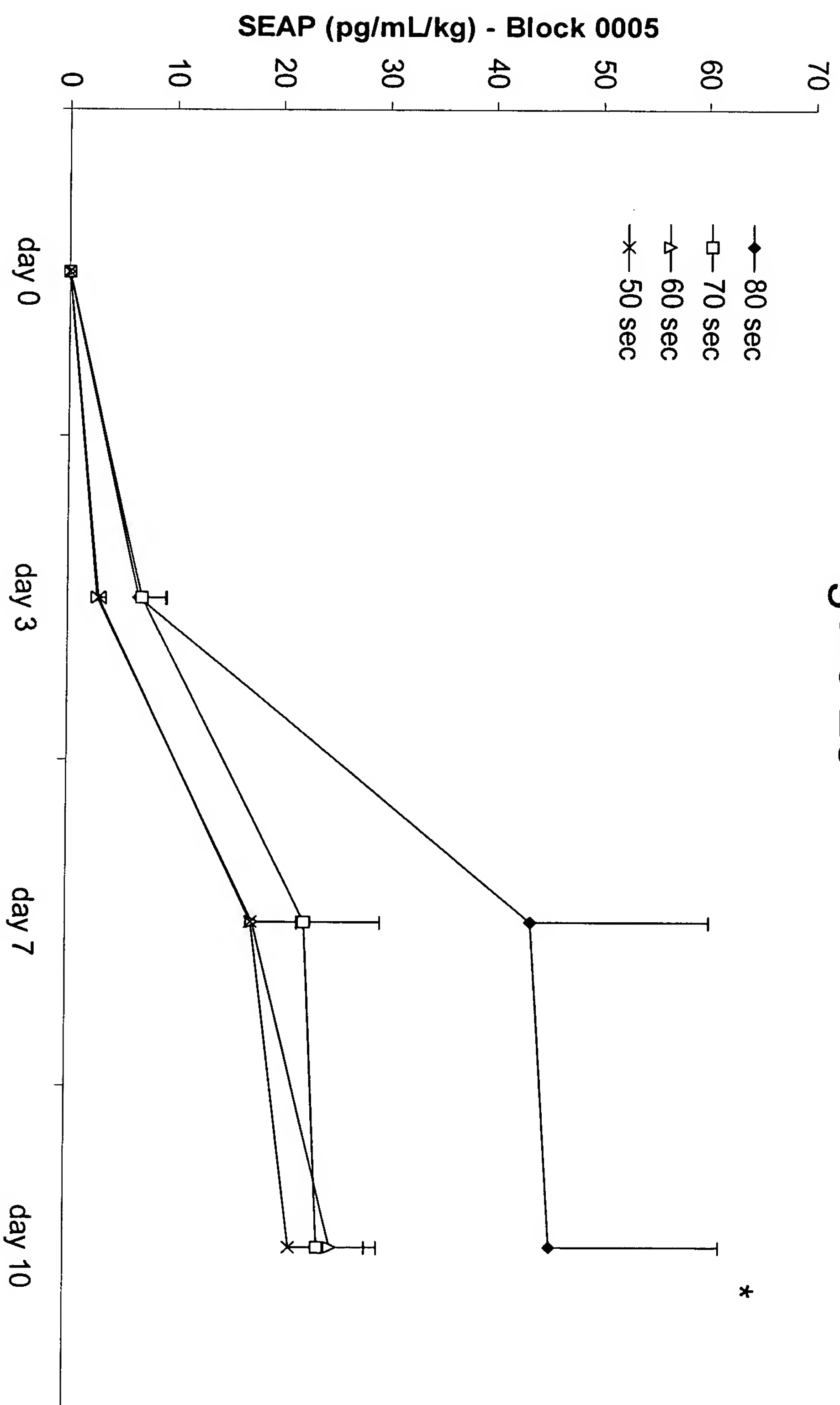


Figure 29

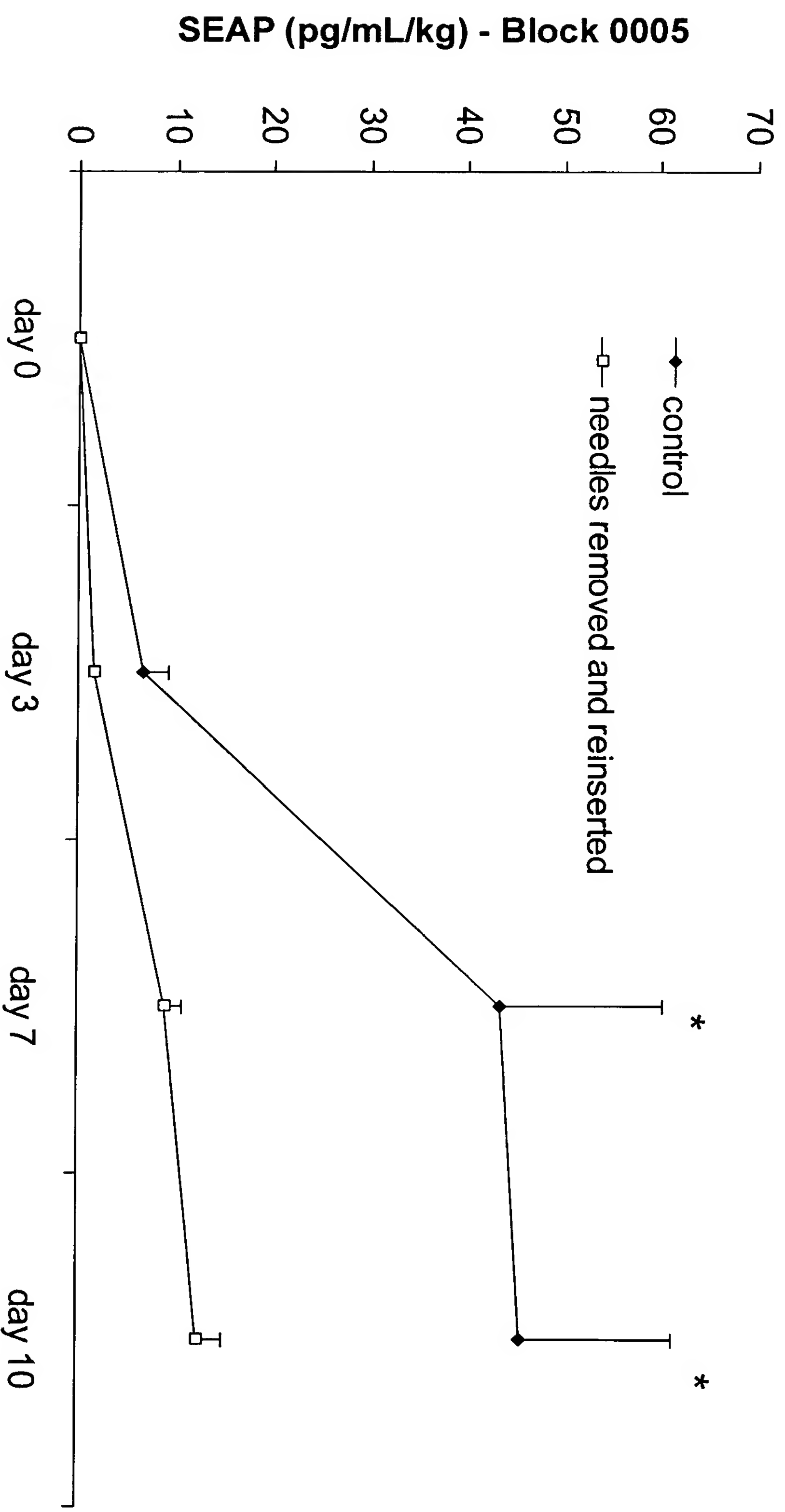


Figure 30

